Amendments to the Specification

Please replace the paragraph that begins on page 10 at lines 12 with the following:

Compact fuel processor 100 as shown in FIG. 2 effects the process diagrammatically illustrated in FIG. 1. Feed stream F is introduced through inlet pipe 102 and product gas P is drawn off via outlet pipe 103. Compact fuel processor 100 includes several modules that may be stacked to form a modular assembly 101 that can be modified by the replacement of individual modules. Each module performs a separate operational function and is generally configured as shown in FIG. 2. Module 110 is the autothermal reforming module corresponding to process step A of FIG. 1. Module 120 is a cooling step corresponding to process step B of FIG. 1. In this illustrative embodiment, heat exchanger 121 is shown as a general heat sink for Module 120. Module 130 is a purifying module corresponding to process step C of FIG. 1. Module 140 is a mixing step corresponding to process step D of FIG. 1. Feed nozzle 131 provides an optional water stream feed to Module 140 to aid in driving the water gas shift reaction (Equation IV) of Module 150. Module 150 is a water gas shift module corresponding to process step E of FIG. 1. Feed nozzle 151 provides a source for oxygen to process gas for the oxidation reaction (Equation V) of Module 170. In this compact fuel processor, heat exchanger 152 is shown as a general heat sink for Module 150. Module 160 is a cooling step corresponding to process step F of FIG. 1. In this compact fuel processor, heat exchanger 161 is shown as a general heat sink for Module 160. Module 170 is an oxidation step corresponding to process step G of FIG. 1.